

PHASED ARRAY ANTENNA WITH DISCRETE  
CAPACITIVE COUPLING AND ASSOCIATED METHODS

Abstract of the Disclosure

A phased array antenna includes a substrate, and an array of dipole antenna elements on the substrate. Each dipole antenna element comprises a medial feed portion, and a pair of legs extending outwardly therefrom, and adjacent legs of adjacent dipole antenna elements include respective spaced apart end portions. A respective impedance element is electrically connected between the spaced apart end portions of adjacent legs of adjacent dipole antenna elements for providing increased capacitive coupling therebetween.

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